

Congleton ^{chub}Rural District Council.

REPORT OF MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1909.

Mr. Chairman and Gentlemen,

I beg to present my Report for the year 1909.

Medical Officer of Health	...	...	...	...	...	...	C. H. W. Bennett.
Population at Census, 1891	...	...	...	...	...	...	12,505
Population at Census, 1901	...	...	...	...	...	...	12,220
Area in Acres	...	...	...	...	...	...	40,155
Birth-rate per 1,000	...	...	...	...	...	...	26.8
Death-rate per 1,000	...	...	...	...	...	...	13.4
Births registered in 1909	...	...	...	...	...	...	328
Deaths registered in 1909	...	...	...	...	...	...	188
Deaths registered in 1909, excluding Non-residents...	...	...	...	...	...	...	164
Deaths under one year per 1,000 births	...	...	...	...	...	...	64
Death-rate from seven principal Zymotic Diseases	...	...	...	...	...	...	1.06

The whole District is divided into three Sub-districts, they are as follows :—

CONGLETON having a population of 1,111, and an area of 7,886 acres, consists of Somerford, Somerford Booths, Hulme Walfield, Newbold Astbury, and Moreton-cum-Alcumlow.

CHURCH HULME having a population of 2,916, and an area of 14,912 acres, includes Goostrey-cum-Barnshaw, Blackden, Twemlow, Cranage, Leese, Church Hulme, Swettenham, Kermincham, Brereton-cum-Smethwick, and Davenport.

SANDBACH having an area of 17,857 acres, and a population of 8,193, includes Smallwood, Odd Rode, Church Lawton, Hassall, Betchton, Wheelock, Arclid, Bradwall, Tetton, Moston, and Elton.

Birth Rates for the Districts are :—Congleton, 22.5 ; Church Hulme, 22.9 ; Sandbach, 28.8.

Death Rates for the District are :—Congleton, 14.4 ; Church Hulme, 12.4 ; Sandbach, 11.8.

Infant Mortality.—Twenty-one children have died in the District under the age of one year, which works out at a death-rate of 64 per 1,000 births ; it was 71.9 last year.

Zymotic Disease.—Thirteen persons have died from Zymotic Disease :—

Three from Whooping Cough, two in the Sandbach District, one in the Church Hulme District.

Three from Diphtheria, two in Church Hulme District, one in Sandbach District.

Five from Measles, four in Sandbach District, one in Church Hulme District.

Two from Diarrhœa, both in the Sandbach District.

Scarletina.—Forty-five cases were notified in the District ; thirty-eight in the Sandbach District, and seven in the Church Hulme District. In February, six cases were notified at Scholar Green and the children were attending Scholar Green Schools, these Schools were closed and the epidemic subsided.

The next cases were at Elton in May and June, the children were attending Warmingham Schools.

The next series of cases broke out in September in children attending Elworth Schools. The Medical Officer examined the Scholars at the School and found two or three children suffering from Scarletina in the peeling stage, these children were speedily excluded and the other Scholars were carefully examined from day to day and any suspicious cases were promptly sent home.

Several cases from Elworth were removed to the Isolation Hospital.

At Cranage five cases were reported in September.

Diphtheria.—Twenty-three cases were notified; eleven in the Sanlbach District; nine in the Holmes Chapel District, and three in the Congleton District.

In January two cases occurred in Holmes Chapel, in February four cases at Holmes Chapel and Cranage; at Scholar Green three cases occurred in February and one in August, the other cases were distributed in the District.

Typhoid Fever.—There were two cases at Holmes Chapel; this complaint is most difficult to trace since it is now believed that Typhoid may be passed on from a person who has had the complaint ten or twenty years ago, rather an alarming statement but I think this must be very rare.

Every precaution is taken in dealing with this complaint, the people looking after the patient are instructed in the best method of disinfection and the dejecta are treated with Sanitas and buried in Quicklime.

Disinfection.—Every infectious case is given disinfectants and written instructions how to apply them. In Scarletina I recommend the patient to be rubbed with Eucalyptus Oil after each bath.

The Inspector fumigates every house that has been notified to contain an infectious case with Formalin Vapour.

Puerperal Fever.—No cases occurred in the District.

Measles.—Were very prevalent at Hassall in January and February, and at Swettenham in April; there were five deaths from this complaint.

Anthrax.—No case in any human being, but a pig died at Moreton, another at Somerford Booths, also a cow at Somerford Booths at another Farm, and a cow at Goostrey.

The carcasses were cremated by the Police and the Shippens, Yard, etc., were thoroughly cleansed with Lime and Carbolic Acid under my personal supervision and that of the Inspector.

Elementary Schools.—I have inspected the Schools in the District and found them in good order and have advised closure of the undermentioned:—

Scholar Green for Scarletina and Diphtheria in March.

Holmes Chapel for Whooping Cough in February.

Cranage " " "

Leese " " "

Hassall for Measles in January.

Swettenham for Measles in April.

Lawton for Measles in December.

Before opening the Schools the Inspector disinfects them and has them thoroughly cleaned.

Water Supply.—This year the Council have added greatly to the health and benefit of the District by providing a good Water Supply to the parish of Odd Rode; Rode Heath and Thurlwood were badly in need of a good supply and the residents there are very much benefited. The water is very good in quality and there is plenty of it.

Mow Cop is also receiving the attention of the Council and that District will I hope soon have a better supply. I also expect to be able to report Holmes Chapel as being supplied with Water this year as matters are progressing very favourably.

Sewage.—The Irrigation Grounds at Mow Cop and Mount Pleasant are very satisfactory.

Holmes Chapel: there have been fewer causes of complaint from this source owing to the tanks being looked after better. The effluent is good.

Thurlwood wants Sewering and should be attended to, since Water has been supplied there will be more Sewage than before.

Isolation Hospital.—A very complete Hospital has been opened at West Heath, Congleton, for the use of the combined Districts of Congleton, Biddulph, Sandbach, Alsager, and Congleton Rural. It is a very up-to-date Institution, fitted with every convenience and comfort necessary, and so far all the cases have done well and the parents have expressed their gratification at the care and attention bestowed on the children.

Nine cases have been removed from this District. The usual practice I have carried out as regards removal of infectious cases is this—I always insist on removal where any business is being carried on or where inmates are employed in any business likely to cause a spread of Infectious Disease or where there is insufficient accommodation for proper Isolation. I have not sent every case of Infectious Disease because very soon I should fill the Hospital from this District alone, in fact it was full towards the end of the year.

Isolation can usually be carried out in most houses very efficiently, especially if full printed instructions are given the parents and the cases are inspected regularly to see if the instructions are being carried out.

Smallpox Hospital.—This Hospital has not been used but has been kept in readiness and I have always found it very clean when inspected.

Cowsheds' and Dairies' Act.—Eighty-two Milk Sellers are now on the register. These have been inspected throughout the District and several improvements have been made in some of the Shippens visited.

Factory and Workshop Act.—These have been visited and inspected throughout the District, particular attention is paid to the Sanitary arrangements and Ventilation.

Prevention of Tuberculosis Act.—The Council have made arrangements with Professor Delepine to examine Sputum from persons suspected of Phthisis free of cost to the Medical Men who desire it. When a person dies of Phthisis the Inspector visits the house and disinfects.

Inspector's Report.—The Inspector reports that he has regularly inspected the whole of the District throughout the year, read all the Water Metres quarterly, and can certify to there being a good supply. He has reported 222 cases to the Council, made 3486 visits in the District, received and answered 531 letters, attended to 195 cases and nuisances, visited every case of Infectious Disease immediately on receipt of notice, and attended each case as often as requisite, afterwards supplying them with disinfectants, and on complete recovery of the patient disinfected the house with Formalin Gas.

The Inspector reports that the Contractors for the removal of Excreta are doing their work satisfactorily but there have been complaints made to him of Nightsoil Carts from other Districts passing through Church Lawton in the middle of the day thereby causing a nuisance, he is endeavouring to stop this.

Lodging Houses.—These have been kept clean and in good order, no cases of overcrowding.

Bakehouses.—These have been found satisfactory and clean, there are no underground Bakehouses in the District.

Slaughter Houses.—These have been regularly visited and inspected both by the Inspector and myself, they have been found clean and well-drained, no Meat has been found diseased and exposed for sale for human consumption.

Canal Boats' Act.—Sixty-one Boats have been inspected this year, there were four infringements of the Act—one overcrowding, two wanted painting, and one not marked. Notices were sent to the owners and occupiers and the infringements were remedied, no legal proceedings were necessary. There have been no cases of Infectious Disease notified on the Boats.

C. H. Wentworth-Bennett,

CONGLETON RURAL DISTRICT.

Causes of, and Ages at, Death during Year 1909.

CAUSES OF DEATH.	DEATHS AT SUBJOINED AGES OF "RESIDENTS" OF "RESIDENTS" BELONGING TO LOCALITIES, WHETHER OCCURRING IN OR BEYOND THE DISTRICT.							DEATHS AT ALL AGES OF "RESIDENTS" BELONGING TO LOCALITIES, WHETHER OCCURRING IN OR BEYOND THE DISTRICT.			TOTAL DEATHS WHETHER OF RESIDENTS OR NON-RESIDENTS IN PUBLIC INSTITUTIONS IN THE DISTRICT.
	All ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Completon Sub-District.	Holmes Chapel District.	Sandbach District.	
Small-pox	5	.....	3	2	.....	.....	.....	.....	1	4	2
Measles	3	2	1	.....	.....	.....	.....	.....	1	2	1
Scarlet Fever	3	.....	.....	3	.....	.....	.....	.....	2	1	.....
Whooping Cough	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diphtheria (including Membranous Group).	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Croup	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Typhus	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Enteric	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fever { Other continued	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Epidemic Influenza	3	.....	.....	.....	.....	1	2	.....	.....	3	2
Cholera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plague	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diarrhoea	2	2	.....	.....	.....	.....	.....	.....	.....	2	.....
Enteritis	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....
Gastritis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Puerperal Fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Erysipelas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Phthisis	11	.....	.....	1	2	6	2	1	2	8	3
Other Tuberculous Diseases	7	2	3	.....	2	.....	.....	.....	2	5	6
Cancer, Malignant Disease	6	.....	.....	.....	.....	4	2	1	2	3	1
Bronchitis	9	1	.....	2	.....	2	4	1	3	5	1
Pneumonia	23	3	1	.....	1	12	6	3	10	10	1
Pleurisy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other Diseases of Respiratory Organs	1	.....	.....	.....	.....	1	.....	.....	.....	1	.....
Alcoholism	2	.....	.....	.....	.....	2	.....	.....	1	1	.....
Cirrhosis of Liver	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Venereal Diseases	5	5	.....	.....	.....	.....	.....	.....	1	4	.....
Premature Birth	2	2	.....	.....	.....	.....	.....	.....	.....	2	.....
Diseases and Accidents of Parturition	17	.....	.....	.....	.....	8	.....	.....	1	16	5
Heart Diseases	11	1	2	3	.....	5	.....	2	4	5	1
Accidents	3	.....	.....	.....	.....	2	1	1	1	1	.....
Suicides	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other causes	50	2	1	1	2	11	33	7	19	24	14
All causes	164	21	11	12	8	54	58	16	50	98	33

CONGLETON RURAL DISTRICT. INFANTILE MORTALITY DURING THE YEAR 1909.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All Causes	Certified	7	2	..	..	9	1	1	1	1	1	2	1	..	1	2	1	21
	Uncertified	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
i. Common Infectious Diseases.	Small-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Chicken-pox	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Measles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Scarlet Fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
ii. Diarrhoeal Diseases.	Diphtheria : Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Whooping Cough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Diarrhoea, all forms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Enteritis, Muco-Enteritis, Gastro-Enteritis, Gastritis, Gastro-intestinal Catarrh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
iii. Wasting Diseases.	Premature Birth	3	..	..	..	3	1	..	..	..	..	..	..	..	..	..	..	..
	Congenital Defects	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
	Injury at Birth	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
	Want of Breast-milk, Starvation	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
iv. Tuberculous Diseases.	Atrophy, Debility, Marasmus	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
	Tuberculous Meningitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Tuberculous Peritonitis : Tabes Mesenterica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Other Tuberculous Diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
v. Other Causes.	Erysipelas	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Syphilis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Rickets	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Meningitis (not Tuberculous)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Convulsions	1	1	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2
	Bronchitis	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1
	Laryngitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Pneumonia	1	..	..	..	1	..	..	1	..	..	..	1	..	..	..	..	3
Total	Suffocation, overlying Other Causes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
		7	2	..	..	9	1	1	1	1	1	2	1	..	1	1	1	21

Congleton Rural District.

Births in the year { legitimate, 323,

{ illegitimate, not notified.

Population estimated to middle of 1909, 12,230.

Deaths in the year of { legitimate infants, 19.

{ illegitimate infants, 2.

Deaths from all Causes at all Ages, 164.

Congleton Rural District.

Vital Statistics of Whole District during 1909 and previous years.

Y ^{EAR} .	Population estimated to middle of each Y ^{EAR} .	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTRU- TIONS IN THE DISTRICT	Deaths of Non- residents registered in Public Institu- tions in the District	Deaths of Residents registered in Public Institu- tions be- yond the District	NETT DEATHS AT AGES BELONGING TO THE DISTRICT.	
		Number.	Rate*	Under 1 Year of Age.		At all Ages.						
				Number	Rate per 1,000 Births register'd	Number	Rate.*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1899	12220	357	29.2	36	100.8	190	15.5	34	29		161	13
1900		354	28.9	29	81.9	187	15.3	23	17		170	13
1901		318	26	32	100.6	199	16.2	17	16		188	14.9
1902		319	26.1	32	100.3	172	14.0	22	16		156	12.7
1903		335	27.4	37	110.4	200	16.3	35	28		167	13.6
1904		333	27.2	32	109.3	187	15.3	28	18		169	13.8
1905		344	28.1	27	78.4	159	13.0	31	19	5	145	11.8
1906		332	27.1	29	87.3	188	15.3	33	15		173	14.1
1907		353	28.8	27	76.4	184	15.0	36	23	1	162	13.2
1908		292	23.9	21	71.9	154	12.6	31	21	5	138	11.2
Averages for years 1899-1908.		333.7	27.2	29.3	91.7	182.0	14.8	28.9	20.2		162.4	13.8
1909		328	26.8	21	64.0	188	15.3	33	24	2	164	13.4

*Rates in Columns 4 and 8 should be calculated per 1,000 of the estimated gross population.

Area of District in Acres (exclusive of area covered by water).

40,155.

Total population at all ages, 12,220
Number of inhabited houses, 2,460
Average number of persons per house, 4.9

At Census of 1901.

CONGLETON RURAL DISTRICT.

Cases of Infectious Disease notified during the Year 1909.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.				No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.		
	At ALL AGES.	Years.					Sandbach District.	Church Hulme District.	Congleton Sub-District.	Sandbach District.	Congleton Sub-District.	Total Cases removed to Hospital	
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65							65 and upwards
Small-pox ... ..		.....	.....	.....	.....	.....	11	9	3	1	1	2
Cholera ... ..		.....	.....	.....	.....	.....	8	7		7		
Diphtheria (including Membranous Group)...	23	.....	.....	.....	.....	.....	38	7				7
Erysipelas	15	.....	.....	.....	.....	.....		
Scarlet Fever	45	.....	.....	.....	.....	.....		
Typhus Fever ... ..		.....	.....	.....	.....	.....	
Enteric Fever	2	.....	.....	.....	.....	.....		2				
Relapsing Fever.. ...													
Continued Fever													
Puerperal Fever... ..													
Plague													
Totals	85						57	25	3	8	1	9	

Isolation Hospital—Name and Situation { West Heath, Nr. Congleton. Total available Beds { 30 Number of Diseases that (3
Smallpox Hospital, Acreld. can be concurrently treated { 1

CONGLETON RURAL DISTRICT.

Vital Statistics of separate Localities in 1909 and previous years.

NAMES OF LOCALITIES	CONGLETON RURAL DISTRICT.				SANDBACH SUB-DISTRICT.				CHURCH HULME SUB-DISTRICT.				CONGLETON SUB-DISTRICT.			
	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.
YEAR.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.
1899	12220	357	161	36	8193	261	113	27	2916	70	35	6	1111	26	8	3
1900		354	170	29		238	118	23		68	38	4		48	14	2
1901		318	183	32		234	128	26		63	40	5		21	14	1
1902		319	156	32		236	105	28		61	28	4		22	17	0
1903		335	167	37		245	123	30		61	30	6		29	14	1
1904		333	169	32		235	107	22		69	41	5		29	21	5
1905		344	145	27		241	102	21		71	31	5		32	12	1
1906		332	173	29		253	128	21		59	28	5		20	17	3
1907		353	162	27		265	119	23		67	28	3		21	15	1
1908		292	138	21		201	100	18		67	29	2		24	9	1
Averages of Years 1899 to 1908		333.7	162.4			240.4	114.3	23.9		65.6	32.8	4.5		27.2	14.1	1.8
1909	12220	328	164	21	8193	236	98	16	2916	67	50	4	1111	25	16	1

*ANNUAL REPORT of the Medical Officer of Health, for the Year 1909, for
the RURAL DISTRICT OF CONGLETON, on the administration of the
Factory and Workshop Act, 1901, in connection with*

Factories, Workshops, Laundries, Workplaces & Homework

1.—INSPECTION.

PREMISES.	NUMBER OF		
	INSPECTIONS.	WRITTEN NOTICES.	PROSECUTIONS.
Factories (including Factory Laundries)	4		Nil.
Workshops (including Workshop Laundries... ..	80	1	"
Workplaces (other than Outworkers' premises)	18		"
Total... ..	102	1	

2.—DEFECTS FOUND.

PARTICULARS.	NUMBER OF DEFECTS.			NUMBER OF PROSECUTIONS.
	FOUND.	REMEDIED	REFERRED TO H.M. INSPECTOR	
<i>Nuisances under the Public Health Acts :—</i>				
Want of Cleauliness	1	1		
2. Want of Ventilation				
Overcrowding				
Want of drainage of floors				
Other Nuisances				
Sanitary accommodation { insufficient				
{ unsuitable or defective				
{ not separate for sexes				
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground Bakehouse				
Breach of special sanitary requirements for Bakehouses				
Other offences				
Total	1	1		

3.—HOMEWORK.

Nil.

4.—REGISTERED WORKSHOPS.

Workshops on the Register at the end of the year.											Number.
Important classes of work shops, such as Workshop Bakehouses, may be enumerated here.	Factories ...	...	...	...	...	...	...	...	...	...	2
	Workshops	...	...	...	...	...	...	...	...	...	55
	Workplaces	...	...	...	...	...	...	...	...	...	9
	Bakehouses	...	...	...	...	...	...	...	...	...	8
Total number of Workshops on Register ...											74

(Signature) C. H. WENTWORTH-BENNETT,

Medical Officer of Health.

January 29th, 1910.

CHESHIRE COUNTY COUNCIL.

Tabular Summary of Sanitary Work during 1909

I. ADOPTIVE ACTS.

Are the following in force in your district ?

1. Infectious Diseases Prevention Act, 1890. Yes.
2. Notification of Births Act. No.
3. Public Health Acts (Amendment) Act, 1907. No.
Sections in force „
4. Other Adoptive Acts. None.

II. BYE-LAWS.

Are Bye-Laws in force relating to---

1. New Streets and Buildings. Yes.
2. Common Lodging Houses. Yes.
3. Slaughter-houses. Yes.
4. Houses let in Lodgings. Yes.
5. Cleansing and Scavenging. Yes.
6. Offensive Trades. Yes.
7. Tents, Vans, Sheds, &c. Yes.
8. Other matters.

Were any new Bye-Laws adopted during 1909. No.

III. WATER SUPPLY.

1. From what source derived ? Sandbach Water Works, and Mow Cop & Staffordshire Potteries Water Co.
2. Are any, and if so what, parts of your District still without a proper supply ? Holmes Chapel, part of Mow Cop and Moston.
3. Any complaints as to action on lead ? No.
4. Number of Samples analysed during 1909. 3.
5. Further developments required. Holmes Chapel, Mow Cop.

IV. SEWERAGE.

1. Specify any works carried out during 1909. None.
2. Are any, and if so what, parts of your District still without a proper system of sewers ? Thurlwood and Mow Bank.

V. SEWAGE DISPOSAL.

1. On what system is sewage treated ? Septic Tanks, Bacteria Beds, and Land Filtration.
2. Have there been any complaints during 1909 as to the outfall works ? Yes, at Holmes Chapel.
3. Any special action taken during 1909 ? No.

VI. SCAVENGING.

1. By whom is this carried out ? Contractors.
2. With what frequency are the following scavenged :---
(a) Midden-privies. Once a fortnight.

- (b) Dry Ash-pits. Every week.
 - (c) Pail Closets. „
 - (d) Dustbins „
 - (e) Cesspools. Cleaned out by occupier.
3. Is the present system in your opinion inadequate in any respect ? No.

VII. DAIRIES, COWSHEDS AND MILKSHOPS.

- 1. Number of premises on register at close of 1909 :---Dairies 6 ; Cowsheds 76 ; Milkshops Nil.
- 2. Number of inspections of these made during 1909. 107.
- 3. Number of instances where notice has been served for defects. 7.
- 4. Number of instances where legal proceedings have been taken and results of same. Nil.
- 5. Are Regulations in force in the district under the Dairies, Cowsheds, and Milkshops Order ?
Yes.

VIII. DWELLINGS.

- 1. Number of new houses built during 1909. 14.
- 2. Action taken in respect of overcrowding. Notices served requiring Abatement.
- 3. Action taken under Housing of the Working Classes Acts. Nil.

IX. PREVENTION OF CONSUMPTION.

- 1. Any system of notification ? No.
- 2. Any Sanitary Inspection of patients' houses ? Yes, if known.
- 3. Any disinfection of ditto ? Yes, on death of patient.
- 4. Any distribution of advice ? Yes.
- 5. Any action re spitting ? No.

(Signed)

C. H. WENTWORTH BENNETT.

29/1/1910.